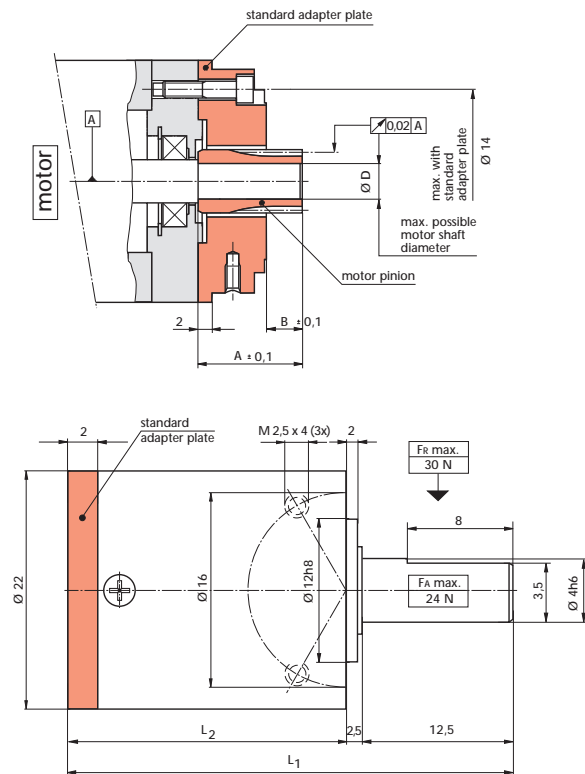


GYSIN Planetary Gearbox GPL 22

Rated torque in Nm (S1)	Type Standard
Rated torque in Nm (S1)	Type R Reduced
EMERGENCY STOP torque in Nm	
Rated torque in Nm (S5)	Type S Low backlash
Rated torque in Nm (S5)	Type V Heavy duty
EMERGENCY STOP torque in Nm	



1-stage	2-stage	3-stage
0,1	0,5	1,5
0,1	0,5	1,5
0,2	1	3
-	-	-
0,2	1	-
0,4	1,5	3
Ratio (i)	Ratio (i)	Ratio (i)
Motor shaft Ø D ≤	Motor shaft Ø D ≤	Motor shaft Ø D ≤
4 3	16 3	64 3
5 3	20 3	80 3
7 1,5	28 3	112 3
9 1	35 3	140 3
	49 1,5	196 3
		245 3
		343 1,5
Stainless Steel		

Technical and performance data:

Gearbox weight	kg	0,050	0,075	0,100
Dimension L1	mm	38	45	52
Dimension L2	mm	23	30	37
Dimension A	mm	11,5	11,5	11,5
Dimension B	mm	4,25	4,25	4,25
Efficiency at full load	%	96	90	85
Average mass inertia at drive	kgcm ²	0,008	0,006	0,004
No-load backlash Type Standard	arcmin ≤	20	35	50
No-load backlash Type V Heavy duty	arcmin ≤	20	35	-
No-load backlash Type R Reduced	arcmin ≤	10	20	30
No-load backlash Type S Low backlash	arcmin ≤	-	-	-
Torsional stiffness	Nm/arcmin	0,19	0,21	0,20
Rated speed at drive	min ⁻¹ ≤	6'000		
Max. rated speed at drive	min ⁻¹ ≤	10'000		
Temperature range	C	-30° / +90°		
Protection class	IP	44		
Service life	h	~10'000		

Stock programme • [Standard programme](#) • [Special programme \(on request\)](#)